U.S. EXPORTS

Metal Cutting Machine Tools - October 90

RELEASED: January 2, 1991

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	60	5226	7	516
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	66	11833	9	1956
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	18	4248	2	590
100035	Horiz. mach. ctrs., ATC	44	11840	3	575
100045	Mach. ctrs., n.e.c.	214	21363	38	1559
200010	Unit construction mach. (single station transfer), NC	2	230	0	0
200090	Unit construction mach. (single station transfer), non-NC	7	3468	0	0
300010	Multi-station transfer machines, NC	12	22399	4	5856
300090	Multi-station transfer machines, non-NC	23	5403	1	1266
8458110010	Horiz. lathes, multiple spindle, NC	25	5881	3	630
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	256	19431	20	1484
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	53	7117	2	294
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	20	5242	0	0
190030	Horiz. engine or toolroom lathes, non-NC	92	1761	3	63
190050	Automatic bar and/or chucking mach., single spindle, non-NC	12	311	1	23
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	46	2337	5	336
190090	Horiz. lathes, n.e.c., non-NC	381	4920	40	459
911060	Vertical turret lathes, multiple spindle, NC	4	1255	2	633
911080	Vertical turret lathes, n.e.c., NC	3	505	1	188
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	15	1347	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	40	8658	6	800
991050	Vertical turret lathes, non-NC	34	760	8	151
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	66	4074	4	187
8459100000	Way-type unit head machines	20	4126	3	1788
210080	Other drilling machines, NC	85	7764	3	182
290040	Drilling machines, multiple spindle, non-NC	32	1539	2	172
290050	Drilling machines, radial, non-NC	20	199	2	48
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	84	1962	6	169
290090	Drilling machines, n.e.c., non-NC	650	4383	47	367
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	1664	1	95
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	8	2856	0	0
310070	Boring-milling mach., n.e.c., NC	18	992	1	31
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	2	250	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	25	893	4	94
400040	Boring machines, vertical, NC	7	2234	1	210
400050	Boring machines, vertical, non-NC	40	1346	4	166
400070	Boring machines, n.e.c., NC	9	3308	0	0
400080	Boring machines, n.e.c., non-NC	29	1440	1	17
510080	Milling machines, knee type, NC	21	2200	2	210
590030	Milling machines, knee type, non-NC	107	3982	16	554
610080	Milling machines, excl. knee type, n.e.c., NC	52	18864	4	928
690050	Milling machines, profile, dup., or die sinking, non-NC	23	533	1	22
690070	Milling machines, bed type, non-NC	2	288	0	0
690090	Milling machines, n.e.c., non-NC	180	6165	28	475
700020	Threading or tapping machines, n.e.c., NC	33	1392	7	189
700080	Threading or tapping machines, n.e.c., non-NC	568	4950	235	1016
8460110080	Flat surface grinding mach., NC	73	8245	14	1571
190010	Flat surface grinding mach., recip.-table type, non-NC	52	894	3	35
190050	Flat surface grinding mach., n.e.c., non-NC	28	6049	2	1338
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	83	24940	7	1730
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	46	5801	1	57
290030	Grinding mach., internal cylindrical, non-NC	40	2982	5	127
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	342	13968	38	2210
310080	Sharpening machines (tool & cutter grinding), NC	40	3949	2	67
390050	Sharpening machines (tool & cutter grinding), non-NC	883	13072	120	979
400060	Honing or lapping machines, NC	3	618	0	0
400080	Honing or lapping machines, non-NC	669	12094	37	492
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	8	1008	1	21
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	969	15418	116	2306
8461100060	Planing machines, NC	6	788	5	676
100080	Planing machines, non-NC	236	6747	12	686
200010	Shaping or slotting machines, NC	9	365	0	0
200090	Shaping or slotting machines, non-NC	36	1159	9	527
300060	Broaching machines, NC	12	1571	1	348
300080	Broaching machines, non-NC	26	1412	3	65
401050	Gear hobbers	33	3806	11	597
401070	Gear shapers	36	5734	10	545
401090	Gear cutting machines, n.e.c.	82	34506	4	2675
405060	Gear grinding or finishing machines	57	4073	8	400
500050	Sawing or cutting-off machines, NC	107	3973	5	430
500090	Sawing or cutting-off machines, non-NC	1230	16339	118	1762
9000000001	Metal cutting machine tools, n.e.c.	1075	21052	88	1033
9800000001	Used or rebuilt machine tools	4321	52160	513	4554
9900000001	Machine tools valued at less than $2,500	32775	20192	4673	2436
	Cutting Total			6333	51970
	Y-T-D Cutting Total	46789	505853		
	NC Y-T-D Cutting Total*	1540	217230		

Please see notes on last page of the metal forming section.

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	5	357
8457100015	0	0	0	0	0	0	0	0	3	912
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	36
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	494
110030	0	0	0	0	1	84	0	0	2	300
110050	0	0	0	0	1	104	0	0	1	190
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	27
190050	0	0	0	0	0	0	0	0	1	23
190070	0	0	0	0	0	0	0	0	4	251
190090	0	0	0	0	1	11	0	0	2	28
911060	0	0	0	0	0	0	0	0	1	529
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	29
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	3	182	0	0
290040	0	0	0	0	0	0	0	0	1	42
290050	0	0	0	0	0	0	0	0	1	6
290070	0	0	0	0	0	0	0	0	2	17
290090	0	0	0	0	0	0	0	0	26	227
310010	0	0	0	0	0	0	0	0	1	95
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	65
400040	0	0	0	0	0	0	0	0	1	210
400050	0	0	0	0	0	0	0	0	1	37
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	17
510080	0	0	0	0	0	0	0	0	1	185
590030	2	32	0	0	0	0	0	0	2	69
610080	0	0	0	0	0	0	0	0	1	221
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	1	31	1	7
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	55	204	0	0	11	48
8460110080	0	0	0	0	0	0	12	1504	0	0
190010	0	0	0	0	0	0	0	0	1	5
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	2	57
290050	0	0	0	0	0	0	0	0	8	631
310080	0	0	0	0	0	0	0	0	1	37
390050	0	0	0	0	0	0	0	0	16	235
400060	0	0	0	0	0	0	0	0	0	0
400080	1	86	0	0	0	0	0	0	1	5
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	7	3	26	2	26	23	214
8461100060	0	0	0	0	0	0	5	676	0	0
100080	0	0	0	0	0	0	0	0	1	69
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	2	5	0	0	0	0	1	93
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	16
401050	0	0	0	0	0	0	0	0	9	473
401070	0	0	0	0	4	214	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	1	10
500050	0	0	0	0	0	0	0	0	3	74
500090	2	20	0	0	0	0	0	0	15	154
9000000001	0	0	0	0	0	0	1	12	11	120
9800000001	3	50	0	0	1	30	0	0	120	1009
9900000001	47	21	8	5	0	0	4	3	311	382
Month Tot	55	208	11	18	66	672	28	2432	600	8010
Y-T-D Tot	1552	14199	144	245	580	17859	605	13881	5461	101089
NC YTD Tot*	18	7137	1	23	138	15532	33	4578	332	55724

Please see notes on last page of the metal forming section.

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	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	1	280	0	0	0	0	0	0
100025	1	340	0	0	0	0	0	0	0	0
100035	2	350	0	0	0	0	0	0	0	0
100045	20	546	0	0	0	0	0	0	1	105
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	1	136	0	0	0	0	0	0
110030	0	0	1	47	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	6	800	0	0	0	0
991050	0	0	8	151	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	1	51
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	2	101	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	2	852	0	0	1	260
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	8	861	0	0	1	162
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	1	22	5	56	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	6	51	0	0	0	0	11	1186
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	1	348	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	5	266
401090	0	0	0	0	0	0	0	0	0	0
405060	3	190	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	17	311	0	0	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	0	0	20	144	16	109	0	0	2	6
9900000001	0	0	30	16	0	0	88	132	203	122
Month Tot	45	2108	74	983	32	2622	88	132	225	2159
Y-T-D Tot	237	17661	1060	8100	728	19219	182	305	1557	15362
MC YTD Tot*	62	10869	53	3716	30	9703	0	0	50	4489

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	2	340	0	0	0	0	0	0
100025	0	0	0	0	0	0	1	250	0	0
100035	1	225	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	10	480	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	9	434	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	11	123	0	0	0	0	20	252	0	0
911060	1	104	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	2	133	0	0
8459100000	0	0	0	0	0	0	1	48	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	130	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	3	12	0	0	17	77	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	3	29	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	2	119	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	1	25	0	0
590030	0	0	0	0	0	0	3	155	0	0
610080	0	0	0	0	0	0	1	25	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	3	62	0	0	0	0	15	206	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	2	29	0	0
190050	0	0	0	0	0	0	0	0	2	1338
210080	4	618	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	1	57	0	0
290030	0	0	0	0	0	0	1	13	0	0
290050	6	211	0	0	0	0	14	329	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	20	126	24	127	1	4	4	130	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	20	242	2	30	0	0	0	0	0	0
900060	0	0	0	0	0	0	1	21	0	0
900080	11	120	14	138	0	0	11	124	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	6	537	3	62	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	2	49	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	2	1224	0	0	0	0	0	0
405060	0	0	1	36	0	0	1	60	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	18	277	2	23	0	0	17	271	2	6
9000000001	11	108	0	0	0	0	2	33	14	76
9800000001	18	83	30	274	0	0	122	1514	11	22
9900000001	439	138	441	206	0	0	911	216	29	19
Month Tot	578	3409	524	2471	1	4	1166	4775	58	1460
Y-T-D Tot	3947	36668	2037	41416	387	2277	8682	46626	488	5701
NC YTD Tot*	116	12163	59	12509	2	131	167	12710	9	860

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	73
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	1	56
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	1	25	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	42	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	2	77
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	3	73
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	2	68
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	1	20	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	28	0	0	3	9
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	6	73	8	70	2	21	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	5	403	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	1	183	0	0	0	0	0	0
500090	0	0	1	4	0	0	1	23	0	0
9000000001	8	108	0	0	2	27	0	0	0	0
9800000001	1	6	2	97	2	10	2	39	3	8
9900000001	571	70	0	0	52	30	123	111	17	25
Month Tot	581	204	10	358	66	189	134	639	32	390
Y-T-D Tot	1726	7664	660	5561	947	4766	745	10129	383	2048
NC YTD Tot*	18	2443	43	1637	4	1182	23	5381	6	320

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 90

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	2	159	0	0
8457100015	0	0	0	0	0	0	2	299	1	125
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	3	133	0	0	0	0	0	0	2	185
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	4	5856	0	0
300090	0	0	0	0	0	0	1	1266	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	4	337	0	0	1	87	0	0	1	139
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	2	36	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	1	84	0	0
190090	0	0	0	0	0	0	0	0	6	45
911060	0	0	0	0	0	0	0	0	0	0
911080	1	188	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	2	1740
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	3	149	0	0	0	0	0	0	1	3
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	1	31	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	11
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	7	222
610080	0	0	0	0	0	0	0	0	2	682
690050	0	0	0	0	0	0	1	22	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	10	3	86
700020	0	0	0	0	0	0	6	138	1	51
700080	0	0	0	0	156	633	1	3	10	28
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	1	37	0	0
290050	1	17	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	1	30
390050	2	11	0	0	0	0	45	292	8	53
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	3	13
900060	0	0	0	0	0	0	0	0	0	0
900080	3	21	0	0	1	5	5	146	9	80
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	1	4	1	15
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	26
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	2	124	0	0
401070	0	0	0	0	0	0	1	65	0	0
401090	0	0	2	1451	0	0	0	0	0	0
405060	0	0	0	0	0	0	2	105	0	0
500050	1	173	0	0	0	0	0	0	0	0
500090	7	93	0	0	0	0	13	237	23	343
9000000001	9	258	0	0	0	0	9	171	21	121
9800000001	11	76	0	0	6	30	79	234	64	812
9900000001	244	145	9	5	4	8	133	79	1009	702
Month Tot	291	1637	11	1457	168	763	312	9360	1177	5511
Y-T-D Tot	3773	39259	38	7862	934	6462	2613	43573	7323	37924
NC YTD Tot*	189	25278	0	0	13	1144	60	17498	114	12203

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 90

RELEASED: January 2, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	281	7855	33	354
8462100030	Headers and upsetters, including cold headers	49	16557	4	734
100050	Forging or die stamping machines, and hammers, n.e.c.	268	24220	26	3071
210080	Bending, folding, straight. or flat. mach., incl presses, NC	281	26544	31	2110
290030	Press brakes, non-NC	135	3125	8	291
290040	Bending rolls, non-NC	67	2124	4	724
290050	Bending, folding, straight., or flat., n.e.c., non-NC	1060	27326	96	3429
310080	Shearing machines, NC	71	6310	5	286
390050	Shearing machines, non-NC	285	7739	23	575
410080	Punching or notching mach., incl. comb. punch & shear, NC	143	20691	14	2132
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	724	18696	69	1703
910060	Hydraulic presses, NC	73	4678	14	464
910090	Hydraulic presses, non-NC	513	21022	15	312
990030	Presses, n.e.c., NC	131	11148	6	768
990040	Presses, mechanical, non-NC	91	9418	7	622
990060	Presses, n.e.c., non-NC	979	32470	47	2377
8463100080	Draw benches for bars, tubes, profiles, wire or the like	189	4938	23	376
200080	Thread rolling machines	49	2179	1	33
300080	Machines for working wire	636	19686	68	2314
900080	Metal forming machine tools, n.e.c.	1425	48285	116	5354
9800000002	Used or rebuilt machine tools	2827	53038	178	4014
9900000002	Machine tools valued at less than $2,500	11777	9119	1035	912
	Forming Total			1823	32954
	Y-T-D Forming Total	22054	377167		
	NC Y-T-D Forming Total	699	69371		
	Cutting and Forming Totals:				
	Monthly Total			8156	84925
	Y-T-D Total	68843	883020		
	NC Y-T-D Total*	2239	286601		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	596300	0	59899
2000000000	Parts for working rubber or plastics - heading 8477	0	236077	0	25346
2710003070	Quenching or cutting oils	0	17679	0	492
8428900010	Industrial robots for lifting, handling, loading or unload	297	6072	25	650
8431390090	Parts industrial robots, handling and loading - heading 8428	0	63889	0	8777
8456100000	Laser, light or photon beam for working any material	796	40523	102	6121
200000	Ultrasonic process for working any material	71	1796	5	95
8477106010	Injection molding mach., for rubber or oth. thermosetting	257	17996	23	6833
106070	Injection molding mach., for thermoplastics	362	43293	35	4116
200010	Extruders for rubber or other thermosetting materials	311	13681	44	3068
200050	Extruders for processing thermoplastics	717	37223	67	3944
300000	Blow molding machines	490	37027	13	1896
400000	Vacuum-molding and other thermoforming machines	4577	11923	16	217
510010	Machines for molding or retreading pneumatic tires	1389	17225	592	2799
510090	Machines for molding or otherwise forming inner tubes	366	28200	45	1022
590000	Machines for molding or otherwise forming n.e.c.	1210	20154	202	1755
800000	Machines for working rubber or plastics n.e.c.	4752	92417	529	8479
8479899040	Industrial robots, n.e.c.	5082	47343	336	3708
908040	Industrial robot parts	0	24326	0	1316
8537100030	Numerical controls for controlling machine tools	1728	25806	155	2377
9024100000	Machines and appliances for testing metals	0	63283	0	5379
9031100000	Machines for balancing mechanical parts	0	24896	0	3185
300000	Profile projectors	0	6067	0	279
9032810040	Industrial process control instr., hydraulic or pneumatic	593623	44570	84851	8688

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine tool totals and Other Manufacturing Technology
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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	2	104	1	167
100050	0	0	0	0	0	0	0	0	2	188
210080	2	71	0	0	0	0	1	33	15	1354
290030	0	0	0	0	0	0	0	0	1	66
290040	0	0	0	0	0	0	0	0	2	82
290050	6	364	0	0	0	0	9	92	30	505
310080	0	0	0	0	0	0	0	0	3	204
390050	0	0	0	0	0	0	0	0	6	154
410080	0	0	0	0	0	0	0	0	5	1040
490050	0	0	0	0	0	0	0	0	32	459
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	2	26
990040	0	0	0	0	0	0	0	0	2	39
990060	0	0	0	0	0	0	0	0	4	47
8463100080	0	0	0	0	0	0	0	0	2	140
200080	0	0	0	0	0	0	0	0	0	0
300080	5	136	1	25	0	0	3	28	4	139
900080	4	616	1	32	1	35	1	200	24	520
9800000002	4	126	1	89	0	0	0	0	28	699
9900000002	6	5	0	0	10	3	21	17	182	165
Month Tot	27	1318	3	145	11	38	37	475	345	5994
Y-T-D Tot	440	6032	65	2309	559	2577	554	5971	3613	58433
NC YTD Tot	28	1979	0	0	0	0	9	534	151	19269
C&F Month	82	1526	14	163	77	710	65	2907	945	14003
C&F Y-T-D	1992	20231	209	2554	1139	20436	1159	19852	9074	159522
C&F NC YTD*	46	9117	1	23	138	15532	42	5113	483	74994

Other Manufacturing Technology

1000000000	0	725	0	200	0	1222	0	1781	0	15367
2000000000	0	135	0	147	0	308	0	409	0	8911
2710003070	0	14	0	0	0	6	0	22	0	191
8428900010	0	0	0	0	0	0	0	0	3	34
8431390090	0	59	0	0	0	13	0	12	0	1613
8456100000	2	56	0	0	12	275	4	294	4	329
200000	0	0	0	0	0	0	0	0	1	19
8477106010	0	0	0	0	0	0	4	269	1	201
106070	0	0	0	0	0	0	0	0	12	1374
200010	0	0	0	0	0	0	0	0	33	1887
200050	3	1482	0	0	0	0	1	195	0	0
300000	0	0	0	0	0	0	0	0	4	999
400000	0	0	0	0	0	0	0	0	2	147
510010	403	68	0	0	25	626	5	208	4	117
510090	0	0	0	0	1	421	0	0	0	0
590000	1	11	1	10	0	0	1	60	5	632
800000	9	88	0	0	4	139	8	161	87	2348
8479899040	2	15	0	0	0	0	0	0	202	1834
908040	0	3	0	0	0	0	0	0	0	582
8537100030	1	13	0	0	0	0	0	0	4	44
9024100000	0	37	0	15	0	127	0	142	0	523
9031100000	0	0	0	0	0	0	0	0	0	911
300000	0	0	0	0	0	0	0	0	0	15
9032810040	287	25	889	44	1437	72	459	31	2597	345

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 90

Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	5	50	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	616	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	1	19	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	156	0	0	2	811	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	1	125	0	0
490050	0	0	3	85	0	0	0	0	1	13
910060	4	51	4	199	0	0	0	0	0	0
910090	0	0	0	0	1	75	0	0	0	0
990030	0	0	0	0	0	0	0	0	2	473
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	1	23	0	0	1	66
8463100080	0	0	1	30	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	612	0	0	0	0	1	7
900080	0	0	2	1500	6	59	0	0	0	0
9800000002	3	65	6	593	0	0	0	0	0	0
9900000002	4	3	46	39	8	7	0	0	2	5
Month Tot	11	119	74	3899	16	165	3	936	7	584
Y-T-D Tot	375	12433	550	16433	397	6057	244	6573	295	7860
NC YTD Tot	7	2680	45	4449	0	0	4	701	11	1432
C&F Month	56	2227	148	4881	48	2787	91	1069	232	2743
C&F Y-T-D	612	30094	1610	24533	1125	25276	426	6878	1852	23222
C&F NC YTD*	69	13549	98	8166	30	9703	4	701	61	5920

Other Manufacturing Technology

1000000000	0	270	0	2215	0	522	0	614	0	1384
2000000000	0	19	0	197	0	1035	0	126	0	206
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	2	69	0	0	0	0	0	0	1	13
8431390090	0	151	0	108	0	20	0	18	0	26
8456100000	0	0	2	260	1	114	0	0	0	0
200000	0	0	0	0	0	0	0	0	2	38
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	1	16	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	4	438	50	215	0	0
510090	2	548	0	0	0	0	0	0	0	0
590000	0	0	2	29	0	0	0	0	13	218
800000	187	1442	1	354	5	149	4	8	11	162
8479899040	0	0	7	452	0	0	0	0	1	16
908040	0	0	0	17	0	0	0	0	0	35
8537100030	0	0	11	223	4	36	0	0	5	67
9024100000	0	220	0	149	0	37	0	6	0	446
9031100000	0	0	0	0	0	534	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	4
9032810040	2	3	2397	1852	181	14	0	0	3196	167

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	2	25	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	5	327	2	148	0	0	3	161	0	0
210080	2	97	0	0	0	0	3	150	0	0
290030	0	0	0	0	0	0	3	61	0	0
290040	0	0	0	0	0	0	1	630	0	0
290050	4	59	6	122	0	0	11	501	0	0
310080	1	39	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	5	245	0	0
410080	0	0	0	0	0	0	0	0	5	610
490050	1	165	3	34	0	0	11	336	0	0
910060	1	64	1	106	0	0	0	0	0	0
910090	1	11	0	0	0	0	5	36	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	1	400	0	0	0	0	2	65	0	0
990060	1	170	1	260	0	0	24	322	0	0
8463100080	0	0	0	0	0	0	6	24	0	0
200080	0	0	0	13	0	0	1	20	0	0
300080	2	268	0	0	3	31	5	194	0	0
900080	7	128	15	544	0	0	14	81	5	35
9800000002	4	55	0	0	0	0	76	1537	0	0
9900000002	59	41	28	23	7	6	291	287	7	6
Month Tot	89	1823	56	1248	10	36	463	4674	17	651
Y-T-D Tot	1562	30227	641	29007	101	4381	4912	46075	321	7423
NC YTD Tot	30	3400	50	4118	16	920	95	5574	47	4252
C&F Month	667	5233	580	3719	11	40	1629	9449	75	2112
C&F Y-T-D	5509	66894	2678	70423	488	6658	13594	92701	809	13123
C&F NC YTD*	146	15563	109	16628	18	1051	262	18284	56	5112

Other Manufacturing Technology

1000000000	0	5585	0	1927	0	289	0	3722	0	603
2000000000	0	2918	0	964	0	139	0	1864	0	340
2710003070	0	32	0	0	0	0	0	36	0	0
8428900010	3	76	0	0	0	0	2	140	1	6
8431390090	0	46	0	15	0	0	0	224	0	89
8456100000	40	2645	2	39	0	0	0	0	8	200
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	3	4591	0	0	5	306	1	75
106070	0	0	1	663	0	0	7	628	0	0
200010	0	0	0	0	0	0	11	1181	0	0
200050	10	241	1	33	0	0	2	624	0	0
300000	1	153	0	0	0	0	6	737	2	8
400000	7	10	0	0	0	0	1	10	0	0
510010	0	0	0	0	17	219	14	345	18	90
510090	0	0	0	0	0	0	40	25	0	0
590000	163	436	0	0	0	0	7	134	2	46
800000	14	255	0	0	9	164	82	552	5	83
8479899040	12	73	1	6	0	0	1	5	0	0
908040	0	229	0	0	0	0	0	18	0	5
8537100030	2	25	6	89	2	24	0	0	0	0
9024100000	0	1292	0	224	0	70	0	228	0	57
9031100000	0	89	0	103	0	12	0	187	0	0
300000	0	55	0	0	0	0	0	33	0	0
9032810040	2451	3582	2288	117	0	0	1807	342	6295	320

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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Metal Forming

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	10	109	1	9	0	0	1	3	13	146
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	39	1	45	3	1103	4	249
210080	0	0	0	0	0	0	2	64	0	0
290030	1	56	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	36	1	36	4	67	1	9	0	0
310080	1	44	0	0	0	0	0	0	0	0
390050	1	3	0	0	0	0	8	135	0	0
410080	1	118	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	1	166	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	7	0	0	1	18	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	1	29	0	0	0	0	0	0	0	0
990060	0	0	0	0	1	5	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	12	246	1	14	0	0	0	0
900080	0	0	0	0	0	0	10	645	1	17
9800000002	1	40	0	0	0	0	1	15	1	21
9900000002	39	43	4	4	13	11	37	31	0	0
Month Tot	58	485	19	333	21	160	64	2170	19	433
Y-T-D Tot	440	5323	149	5496	306	2049	396	13664	188	4122
NC YTD Tot	7	746	25	499	2	65	26	1722	4	155
C&F Month	639	689	29	690	87	349	198	2809	51	823
C&F Y-T-D	2166	12987	809	11057	1253	6815	1141	23793	571	6170
C&F NC YTD*	25	3189	68	2136	6	1247	49	7103	10	474

Other Manufacturing Technology

1000000000	0	978	0	216	0	938	0	506	0	411
2000000000	0	180	0	85	0	129	0	69	0	157
2710003070	0	16	0	12	0	0	0	33	0	0
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	118	0	13	0	46	0	30	0	0
8456100000	2	49	0	0	0	0	0	0	1	15
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	2	138
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	1	140	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	1	8
510010	0	0	0	0	0	0	6	154	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	0	0	0	0	1	21
800000	24	228	0	0	0	0	5	320	2	45
8479899040	1	89	0	0	6	48	6	13	0	0
908040	0	0	0	76	0	29	0	0	0	0
8537100030	11	164	1	13	1	25	0	0	0	0
9024100000	0	62	0	18	0	278	0	72	0	5
9031100000	0	115	0	14	0	6	0	953	0	6
300000	0	19	0	6	0	0	0	56	0	0
9032810040	2538	183	2265	117	441	22	7334	367	34840	110

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	13	0	0
8462100030	0	0	0	0	0	0	1	462	0	0
100050	0	0	0	0	0	0	1	37	3	160
210080	2	124	0	0	0	0	1	88	3	130
290030	0	0	0	0	0	0	0	0	2	89
290040	0	0	0	0	0	0	0	0	1	12
290050	3	57	0	0	0	0	7	157	7	457
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	3	38	0	0	0	0	0	0
410080	1	105	0	0	0	0	1	134	0	0
490050	6	107	0	0	0	0	7	234	4	105
910060	0	0	0	0	0	0	0	0	4	45
910090	3	90	0	0	0	0	0	0	3	75
990030	0	0	0	0	0	0	1	238	1	31
990040	0	0	0	0	0	0	0	0	1	89
990060	1	289	0	0	0	0	4	885	9	290
8463100080	7	58	0	0	0	0	0	0	7	124
200080	0	0	0	0	0	0	0	0	0	0
300080	12	391	0	0	2	53	3	56	12	114
900080	2	17	0	0	0	0	4	371	19	553
9800000002	22	410	0	0	6	38	5	182	20	143
9900000002	76	65	0	0	52	43	52	43	91	65
Month Tot	135	1713	3	38	60	133	88	2901	187	2483
Y-T-D Tot	1811	31406	22	733	288	1552	1273	22886	2552	48146
NC YTD Tot	52	4692	1	136	3	79	14	1699	72	10267
C&F Month	426	3349	14	1494	228	896	400	12262	1364	7994
C&F Y-T-D	5584	70665	60	8594	1222	8014	3886	66458	9875	86070
C&F NC YTD*	241	29970	1	136	16	1222	74	19197	186	22471

Other Manufacturing Technology

1000000000	0	6359	0	139	0	1009	0	6597	0	6319
2000000000	0	1893	0	0	0	367	0	835	0	3916
2710003070	0	0	0	0	0	0	0	0	0	127
8428900010	2	206	0	0	0	0	9	88	2	18
8431390090	0	3526	0	389	0	145	0	356	0	1763
8456100000	10	904	0	0	4	102	6	741	4	100
200000	0	0	0	0	0	0	2	37	0	0
8477106010	1	36	0	0	3	990	0	0	5	365
106070	6	425	0	0	1	40	2	323	4	526
200010	0	0	0	0	0	0	0	0	0	0
200050	5	131	0	0	0	0	3	54	40	1027
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	2	3	3	39
510010	2	147	0	0	0	0	0	0	44	172
510090	0	0	0	0	0	0	0	0	2	28
590000	0	0	0	0	0	0	4	137	2	22
800000	37	390	0	0	0	0	2	631	33	961
8479899040	1	110	0	0	0	0	92	974	4	72
908040	0	173	0	0	0	0	0	101	0	50
8537100030	47	739	0	0	0	0	21	379	39	537
9024100000	0	375	0	37	0	39	0	263	0	658
9031100000	0	3	0	0	0	0	0	78	0	175
300000	0	5	0	0	0	0	0	78	0	7
9032810040	3832	234	0	0	337	44	3639	343	5339	352

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Cutting and Metal Forming Machine Tool Totals
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	5	181	0	0	5	181
Denmark	2	54	11	22	13	76
East Germany	0	0	0	0	0	0
Finland	24	36	3	3	27	39
Greece	0	0	2	56	2	56
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	2	663	23	128	25	790
Luxembourg	0	0	0	0	0	0
Norway	11	61	0	0	11	61
Poland	0	0	1	370	1	370
Portugal	0	0	1	7	1	7
Romania	0	0	0	0	0	0
Sweden	284	132	11	81	295	213
Turkey	15	2072	4	4	19	2075
Yugoslavia	180	7	0	0	180	7
Oth Europe	0	0	2	3	2	3
TOTAL	1647	21499	436	11134	2083	32633
NORTH AND CENTRAL AMERICA						
Bahamas	1	4	0	0	1	4
Barbados	0	0	0	0	0	0
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	113	269	1	24	114	293
Dominican Rep	1	30	15	120	16	150
El Salvador	1	4	3	15	4	19
Guatemala	0	0	2	122	2	122
Haiti	0	0	0	0	0	0
Honduras	0	0	5	99	5	99
Jamaica	1	5	0	0	1	5
Panama	0	0	8	7	8	7
Trinidad	0	0	0	0	0	0
Oth N & C Am.	11	19	3	157	14	176
TOTAL	1894	13116	845	11212	2739	24327
SOUTH AMERICA						
Argentina	27	70	0	0	27	70
Bolivia	0	0	0	0	0	0
Chile	49	450	38	161	87	611
Colombia	53	151	0	0	53	151
Ecuador	36	58	2	30	38	88
Paraguay	0	0	0	0	0	0
Peru	18	55	0	0	18	55
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	379	3980	137	799	516	4779
OCEANIA						
New Zealand	14	82	2	28	16	109
Oth Oceania	1	5	0	0	1	5
TOTAL	70	294	29	1346	99	1640

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	188	565	5	35	193	600
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	20	37	13	278	33	315
Jordan	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0
Laos	0	0	1	8	1	8
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	22	22	1	23	23	45
Philippines	5	8	2	18	7	26
Qatar	0	0	0	0	0	0
Saudi Arabia	18	168	9	232	27	400
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	1	4	7	85	8	88
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	2269	12783	364	8095	2633	20878
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	10	206	4	93	14	299
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	64	93	8	277	72	370
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	74	299	12	370	86	669

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

RELEASED: January 2, 1991

U.S. IMPORTS - Metal Cutting Machine Tools - October 90

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC *	729	50727	77	7010
301050	Electro-discharge machines, n.e.c., NC	297	17977	24	1698
301070	Electro-discharge machines, n.e.c., non-NC	302	7669	19	670
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	1772	140851	167	13495
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	118	22588	15	2325
100035	Horiz. mach. ctrs., ATC	547	122513	60	11926
100045	Mach. ctrs., n.e.c.	202	60729	14	2550
200010	Unit construction mach. (single station transfer), NC	19	2355	3	533
200090	Unit construction mach. (single station transfer), non-NC	2	517	0	0
300010	Multi-station transfer machines, NC	49	37076	6	5217
300090	Multi-station transfer machines, non-NC	76	35711	4	4585
8458110010	Horiz. lathes, multiple spindle, NC	253	44913	26	5001
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1894	133997	142	10026
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	507	71469	65	8775
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	47	13286	3	275
190030	Horiz. engine or toolroom lathes, non-NC	3516	36974	461	4129
190050	Automatic bar and/or chucking mach., single spindle, non-NC	773	14013	105	1386
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	122	9319	20	1076
190090	Horiz. lathes, n.e.c., non-NC	1467	14797	134	2129
911060	Vertical turret lathes, multiple spindle, NC	22	3936	1	185
911080	Vertical turret lathes, n.e.c., NC	49	9684	5	1334
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	80	9147	4	1665
991050	Vertical turret lathes, non-NC	95	4067	23	123
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	1020	19896	140	1858
8459100000	Way-type unit head machines	5	1718	0	0
210080	Other drilling machines, NC	291	20628	41	3767
290040	Drilling machines, multiple spindle, non-NC	74	1869	14	99
290050	Drilling machines, radial, non-NC	397	2955	51	409
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	75	757	6	28
290090	Drilling machines, n.e.c., non-NC	407	13471	21	812
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	9	2409	4	1642
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	82	12272	14	1979
310070	Boring-milling mach., n.e.c., NC	32	2852	2	596
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	27	2000	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	93	5893	1	4
400040	Boring machines, vertical, NC	3	1471	2	1412
400050	Boring machines, vertical, non-NC	49	1686	8	149
400070	Boring machines, n.e.c., NC	27	3282	0	0
400080	Boring machines, n.e.c., non-NC	206	5903	36	586
510080	Milling machines, knee type, NC	485	8869	39	1210
590030	Milling machines, knee type, non-NC	2786	20180	207	1521
610080	Milling machines, excl. knee type, n.e.c., NC	442	20692	18	1921
690050	Milling machines, profile, dup., or die sinking, non-NC	33	344	0	0
690070	Milling machines, bed type, non-NC	49	3285	1	46
690090	Milling machines, n.e.c., non-NC	728	18834	103	2025
700020	Threading or tapping machines, n.e.c., NC	139	7177	12	574
700080	Threading or tapping machines, n.e.c., non-NC	149	4456	4	82
8460110080	Flat surface grinding mach., NC	117	11335	7	1410
190010	Flat surface grinding mach., recip.-table type, non-NC	973	11323	121	932
190050	Flat surface grinding mach., n.e.c., non-NC	1649	16811	131	1365
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	432	75660	34	6324
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	417	15560	58	2108
290030	Grinding mach., internal cylindrical, non-NC	192	11204	15	596
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	982	39614	103	3211
310080	Sharpening machines (tool & cutter grinding), NC	223	5236	34	283
390050	Sharpening machines (tool & cutter grinding), non-NC	710	8568	84	788
400060	Honing or lapping machines, NC	34	4576	2	412
400080	Honing or lapping machines, non-NC	205	7858	18	294
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	47	3658	4	222
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1289	37453	117	4170
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	8	53	0	0
200010	Shaping or slotting machines, NC	83	2974	0	0
200090	Shaping or slotting machines, non-NC	156	6725	4	540
300060	Broaching machines, NC	11	11152	3	2755
300080	Broaching machines, non-NC	72	4501	4	938
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	107	8850	12	787
401040	Gear shapers	30	10901	7	3876
401060	Gear cutting machines, n.e.c.	155	570	0	0
405050	Gear grinding or finishing for bevel gears	60	1679	0	0
405070	Gear grinding or finishing machines, n.e.c.	81	24389	5	4501
500050	Sawing or cutting-off machines, NC	90	5848	6	383
500090	Sawing or cutting-off machines, non-NC	1679	28762	100	1904
9000000001	Metal cutting machine tools, n.e.c.	310	16424	48	4293
9800000001	Used or rebuilt machine tools	6374	28924	1506	3788
9900000001	Machine tools valued at less than $2,500	786028	78751	119101	9604
	Cutting Total			123626	162321
	Y-T-D Cutting Total	823060	1526577		
	NC Y-T-D Cutting Total	9155	947221		

Please see notes on last page of the metal forming section.

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	1	141	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	12	252
100045	0	0	2	36	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	400	0	0	1	805
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	1	85	0	0
110090	0	0	0	0	1	15	0	0	0	0
190030	0	0	167	1326	1	12	1	50	0	0
190050	0	0	17	228	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	230
190090	0	0	1	25	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	2	1498
991050	0	0	0	0	0	0	1	87	18	24
995090	0	0	25	240	2	24	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	146	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	4	73
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	8	26	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	5	797	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	7	146
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	6	37	21	411	2	80
510080	0	0	0	0	0	0	0	0	0	0
590030	1	3	0	0	1	8	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	10
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	1	9	0	0	0	0	0	0	1	70
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	2	9	0	0	1	90
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	17	142	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	10	37	1	8	0	0
310080	0	0	0	0	1	2	0	0	0	0
390050	0	0	0	0	12	63	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	7	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	6	1	17	14	1689
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	2	7	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	1	19
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	1	232	0	0	0	0
500090	0	0	0	0	16	166	3	89	0	0
9000000001	0	0	0	0	0	0	0	0	3	11
9800000001	1	17	0	0	14	84	3	18	0	0
9900000001	2	4	0	0	18	18	136	187	2374	476
Month Tot	5	33	212	1855	113	2210	177	1118	2442	5473
Y-T-D Tot	50	1659	1974	11937	1435	18738	1683	21534	29141	49596
MC YTD Tot	3	119	7	573	42	4453	79	9079	125	16642

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - October 90

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	59	5693	0	0	0	0	0	0	0	0
301050	20	1321	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	79	7645	0	0	10	523	0	0	0	0
100025	8	1496	0	0	0	0	0	0	0	0
100035	41	9443	0	0	0	0	0	0	0	0
100045	1	34	0	0	0	0	0	0	1	497
200010	0	0	3	533	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	4	4147	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	19	3735	0	0	0	0	0	0	0	0
110030	108	8583	2	142	0	0	0	0	0	0
110050	55	8231	0	0	0	0	0	0	0	0
110090	2	260	0	0	0	0	0	0	0	0
190030	4	109	13	139	30	395	0	0	0	0
190050	1	11	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	3	700	0	0	0	0	0	0	0	0
911060	1	185	0	0	0	0	0	0	0	0
911080	5	1334	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	2	166	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	6	499	3	240	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	36	2811	0	0	0	0	0	0	0	0
290040	10	64	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	32	0	0
290070	0	0	0	0	0	0	6	28	0	0
290090	11	771	0	0	0	0	0	0	0	0
310010	2	635	0	0	0	0	0	0	0	0
310040	1	312	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	2	1412	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	5	20	0	0	0	0	109	899	0	0
610080	4	1456	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	1	46	0	0	0	0	0	0	0	0
690090	3	816	0	0	0	0	0	0	0	0
700020	12	574	0	0	0	0	0	0	0	0
700080	2	10	0	0	0	0	1	70	0	0
8460110080	2	454	0	0	0	0	0	0	1	616
190010	2	229	0	0	44	548	0	0	0	0
190050	10	258	0	0	0	0	0	0	2	4
210080	16	2542	0	0	0	0	0	0	1	23
290010	5	1060	0	0	0	0	0	0	0	0
290030	6	153	0	0	0	0	0	0	0	0
290050	28	1690	0	0	0	0	1	167	3	2
310080	0	0	0	0	0	0	0	0	0	0
390050	11	87	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	130	0	0	0	0	0	0	2	29
900060	4	222	0	0	0	0	0	0	0	0
900080	54	1487	0	0	0	0	2	252	2	9
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	2	533	0	0	0	0	0	0	0	0
300060	2	272	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	1	250	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	1	131	0	0	0	0	0	0	0	0
500050	5	151	0	0	0	0	0	0	0	0
500090	20	736	0	0	0	0	0	0	0	0
9000000001	12	3133	0	0	0	0	0	0	0	0
9800000001	17	1484	1	3	0	0	0	0	4	357
9900000001	9721	1402	1286	158	0	0	0	0	393	530
Month Tot	10428	78925	1308	1215	84	1466	121	1448	409	2066
Y-T-D Tot	55763	741148	10704	16016	945	16303	1810	22143	2358	14231
MC YTD Tot	5346	625648	122	8570	152	7998	90	2498	17	5172

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - October 90

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	6	870	0	0	0	0	0	0	12	447
301050	4	377	0	0	0	0	0	0	0	0
301070	2	265	13	130	0	0	2	163	2	112
8457100015	0	0	17	1409	52	3326	3	350	5	101
100025	0	0	6	756	1	72	0	0	0	0
100035	1	1449	5	564	0	0	1	218	0	0
100045	0	0	0	0	0	0	4	1764	6	218
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	526	0	0	0	0	1	544	0	0
300090	0	0	0	0	0	0	2	3380	0	0
8458110010	0	0	0	0	0	0	5	1191	2	75
110030	1	144	6	291	12	449	0	0	13	417
110050	0	0	6	313	0	0	0	0	3	145
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	100	854	21	360	0	0	124	885
190050	3	393	32	249	0	0	0	0	52	506
190070	4	717	15	129	0	0	0	0	0	0
190090	0	0	70	661	12	196	39	494	9	53
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	4	12	0	0	0	0	0	0
995090	0	0	7	49	4	265	0	0	93	541
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	2	475	2	335	0	0
290040	0	0	0	0	0	0	4	34	0	0
290050	0	0	22	147	0	0	0	0	23	157
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	3	1	12	0	0
310010	0	0	1	167	1	840	0	0	0	0
310040	0	0	0	0	0	0	3	813	5	56
310070	0	0	0	0	1	589	1	7	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	4
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	1	4	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	6	24	1	35
510080	0	0	14	294	20	842	5	75	0	0
590030	0	0	60	237	0	0	5	142	26	214
610080	0	0	7	98	0	0	2	337	5	30
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	432	33	127	2	134	2	269	61	238
700020	0	0	0	0	0	0	0	0	0	0
700080	1	3	0	0	0	0	0	0	0	0
8460110080	0	0	1	23	0	0	1	238	0	0
190010	0	0	75	155	0	0	0	0	0	0
190050	0	0	98	793	3	38	5	114	10	57
210080	0	0	0	0	8	1895	9	1864	0	0
290010	5	689	1	81	2	54	28	82	0	0
290030	1	59	0	0	0	0	1	327	7	56
290050	3	274	1	17	6	283	42	661	8	73
310080	7	51	0	0	0	0	1	17	25	214
390050	4	226	3	26	45	217	9	170	0	0
400060	0	0	0	0	0	0	2	412	0	0
400080	0	0	0	0	12	97	1	32	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	3	10	3	54	7	40	8	404	22	203
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	1	2483	0	0	0	0
300080	0	0	0	0	3	13	1	925	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	1	2	0	0	0	0	5	731	5	35
401040	0	0	0	0	0	0	6	3626	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	4	4370	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	4	17	8	38	9	43	39	763	1	52
9000000001	0	0	1	26	0	0	5	297	27	826
9800000001	3	165	965	50	16	483	427	1102	55	24
9900000001	33	22	90517	5706	60	46	233	197	14328	859
Month Tot	88	6690	92091	13455	302-	13247	915	26485	14931	6635
Y-T-D Tot	1891	75329	608745	108943	4830	88197	11702	275377	90029	65425
MC YTD Tot	332	28796	756	25460	687	59354	844	132865	553	19995

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 90

RELEASED: January 2, 1991

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	336	24256	24	5530
8462100030	Headers and upsetters, including cold headers	144	13486	16	637
100050	Forging or die stamping machines, and hammers, n.e.c.	696	40397	41	3119
210080	Bending, folding, straight. or flat. mach., incl presses, NC	458	33211	18	4680
290030	Press brakes, non-NC	268	7657	30	1020
290040	Bending rolls, non-NC	86	2816	10	791
290050	Bending, folding, straight., or flat., n.e.c., non-NC	1055	35343	82	3215
310080	Shearing machines, NC	51	3903	1	20
390050	Shearing machines, non-NC	508	14923	41	1160
410080	Punching or notching mach., incl. comb. punch & shear, NC	293	33625	22	5802
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	562	10287	32	483
910060	Hydraulic presses, NC	19	18792	2	271
910090	Hydraulic presses, non-NC	3305	16967	1025	2335
990030	Presses, n.e.c., NC	51	4820	2	382
990035	Mechanical transfer presses, non-NC	13	14901	1	65
990045	Mechanical presses, n.e.c., non-NC	155	4343	80	443
990060	Presses, n.e.c., non-NC	676	27798	81	2427
8463100080	Draw benches for bars, tubes, profiles, wire or the like	108	5848	29	1039
200080	Thread rolling machines	79	5018	16	1573
300080	Machines for working wire	1218	57047	132	4644
900080	Metal forming machine tools, n.e.c.	579	26127	58	3461
9800000002	Used or rebuilt machine tools	1299	18417	290	3684
9900000002	Machine tools valued at less than $2,500	15830	4886	2477	399
	Forming Total			4510	47181
	Y-T-D Forming Total	27789	424868		
	NC Y-T-D Forming Total	872	94351		
	Cutting and Forming Totals:				
	Monthly Total			128136	209502
	Y-T-D Total	850849	1951444		
	NC Y-T-D Total	10027	1041572		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	467702	0	51090
2000000000	Parts for working rubber or plastics - heading 8477	0	270671	0	25180
2710003070	Quenching or cutting oils	0	314	0	23
8428900010	Industrial robots for lifting, handling, loading or unload	1690	31364	138	3979
8431390080	Parts industrial robots, handling and loading - heading 8428	0	78737	0	6616
8456101010	Laser, light or photon beam for working metal, NC	148	27421	9	1731
101020	Laser, light or photon beam for working metal, non-NC	67	3641	0	0
105000	Laser, light or photon beam for other materials	543	8463	438	980
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	13	158	1	7
205000	Ultrasonic processes for working other materials	56	195	0	0
8477103000	Injection molding mach., for manufacturing shoes	141	3071	30	149
106010	Injection molding mach., for rubber or oth. thermosetting	701	57575	99	6704
106050	Injection molding mach., for thermoplastics	2136	195697	181	12428
200010	Extruders for rubber or other thermosetting materials	186	13628	6	335
200050	Extruders for processing thermoplastics	877	55311	69	4164
300000	Blow molding machines	306	40906	27	3305
400000	Vacuum-molding and other thermoforming machines	184	7902	35	2372
510010	Machines for molding or retreading pneumatic tires	502	45147	60	7164
510090	Machines for molding or otherwise forming inner tubes	262	12212	3	376
590000	Machines for molding or otherwise forming n.e.c.	889	44225	56	2214
800000	Machines for working rubber or plastics n.e.c.	10414	100234	2013	15292
8479899040	Industrial robots, n.e.c.	13658	63559	385	9371
908040	Industrial robot parts	0	28946	0	3202
8537100030	Numerical controls for controlling machine tools	24937	39754	15608	4636
9024100000	Machines and appliances for testing metals	0	11178	0	1692
9031100000	Machines for balancing mechanical parts	0	10774	0	725
300000	Profile projectors	0	5640	0	524
9032810020	Industrial process control instr., hydraulic	136622	2057	14782	303
810060	Industrial process control instr., pneumatic	214051	4178	7362	595

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 90

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	7	832	0	0	1	65
8462100030	0	0	0	0	2	124	0	0	0	0
100050	0	0	0	0	9	248	0	0	0	0
210080	1	154	0	0	0	0	0	0	1	34
290030	9	270	0	0	19	630	0	0	0	0
290040	0	0	0	0	0	0	0	0	4	149
290050	1	5	0	0	22	237	2	23	7	59
310080	0	0	0	0	0	0	0	0	0	0
390050	15	261	0	0	7	342	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	3	45	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	25	0	0	5	1302	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	1	107	0	0
990060	2	71	0	0	29	1202	0	0	2	5
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	2	42	0	0	0	0
300080	13	569	0	0	3	254	0	0	12	324
900080	0	0	0	0	3	25	0	0	1	15
9800000002	12	289	0	0	196	1169	0	0	1	2
9900000002	0	0	0	0	7	14	1	2	87	11
Month Tot	54	1644	0	0	314	6468	4	132	116	664
Y-T-D Tot	504	19516	13	202	1814	54502	312	3239	1697	32605
NC YTD Tot	39	3364	0	0	46	4991	3	139	60	1929
C&F Month	59	1677	212	1855	427	8677	181	1250	2558	6137
C&F Y-T-D	554	21175	1987	12139	3249	73240	1995	24773	30838	82201
C&F NC YTD	42	3483	7	573	88	9444	82	9218	185	18571

Other Manufacturing Technology

1000000000	0	244	0	75	0	5775	0	525	0	1299
2000000000	0	81	0	0	0	5386	0	4639	0	1151
2710003070	0	0	0	0	0	18	0	0	0	0
8428900010	1	53	0	0	2	72	0	0	0	0
8431390080	0	0	0	9	0	1537	0	92	0	211
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	2	167	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	2	19	8	1112	1	161
106050	0	0	0	0	19	2106	11	357	3	262
200010	0	0	0	0	0	0	1	143	0	0
200050	0	0	0	0	13	326	0	0	1	90
300000	0	0	0	0	0	0	12	1553	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	3	27	0	0	19	385	4	1155	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	7	53	2	4	3	117
800000	126	40	0	0	9	406	1	130	44	2200
8479899040	2	15	0	0	3	254	0	0	0	0
908040	0	0	0	0	0	59	0	82	0	4
8537100030	0	0	0	0	1	29	0	0	15003	79
9024100000	0	0	0	0	0	102	0	0	0	25
9031100000	0	0	0	0	0	9	0	2	0	10
300000	0	0	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	0	0
810060	0	0	0	0	1	18	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	11	3794	0	0	0	0	0	0	0	0
8462100030	14	513	0	0	0	0	0	0	0	0
100050	25	2335	0	0	0	0	0	0	0	0
210080	7	282	0	0	0	0	1	26	1	3863
290030	2	120	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	14
290050	9	644	0	0	0	0	0	0	7	450
310080	0	0	0	0	0	0	0	0	0	0
390050	3	257	0	0	0	0	0	0	0	0
410080	4	616	0	0	0	0	0	0	1	1039
490050	7	157	0	0	0	0	15	173	0	0
910060	2	271	0	0	0	0	0	0	0	0
910090	975	978	0	0	0	0	0	0	0	0
990030	2	382	0	0	0	0	0	0	0	0
990035	1	65	0	0	0	0	0	0	0	0
990045	2	109	0	0	0	0	0	0	0	0
990060	7	248	0	0	0	0	0	0	25	81
8463100080	3	912	0	0	0	0	0	0	0	0
200080	11	1473	0	0	0	0	1	42	0	0
300080	87	2872	0	0	0	0	0	0	4	78
900080	8	1108	0	0	0	0	1	7	0	0
9800000002	27	1102	0	0	0	0	13	11	1	647
9900000002	68	89	0	0	0	0	0	0	0	0
Month Tot	1275	18329	0	0	0	0	31	258	40	6171
Y-T-D Tot	4871	163648	21	516	82	133	439	3529	550	29563
MC YTD Tot	383	31166	0	0	1	5	1	26	10	23514
C&F Month	11703	97254	1308	1215	84	1466	152	1707	449	8238
C&F Y-T-D	60634	904797	10725	16532	1027	16436	2249	25672	2908	43794
C&F MC YTD	5729	656814	122	8570	153	8003	91	2524	27	28686

Other Manufacturing Technology

1000000000	0	15534	0	10	0	336	0	200	0	1095
2000000000	0	3076	0	143	0	85	0	12	0	295
2710003070	0	5	0	0	0	0	0	0	0	0
8428900010	101	1896	0	0	0	0	0	0	23	999
8431390080	0	1164	0	11	0	2	0	0	0	30
8456101010	9	1731	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	1	762	0	0	0	0	0	0	404	30
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	26	10	0	0
106010	60	3897	2	182	0	0	0	0	0	0
106050	54	5388	4	204	1	25	0	0	0	0
200010	3	167	1	22	0	0	0	0	0	0
200050	1	527	2	8	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	2	1557	0	0	0	0	0	0	0	0
510010	13	417	0	0	0	0	0	0	0	0
510090	3	376	0	0	0	0	0	0	0	0
590000	1	3	2	35	1	30	0	0	0	0
800000	65	3303	0	0	0	0	0	0	0	0
8479899040	336	7888	0	0	0	0	1	25	14	653
908040	0	604	0	0	0	0	0	0	0	52
8537100030	551	4326	0	0	0	0	0	0	6	3
9024100000	0	308	0	0	0	0	0	0	0	0
9031100000	0	554	0	0	0	0	0	0	0	2
300000	0	209	0	0	0	0	0	0	0	0
9032810020	0	0	3700	20	0	0	0	0	0	0
810060	3	2	0	0	0	0	0	0	885	144

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	682	0	0	0	0	1	157	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	110	0	0	1	83	2	334	3	9
210080	0	0	0	0	1	27	5	289	1	5
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	4	48	0	0	1	580	0	0
290050	3	498	0	0	1	390	27	871	3	38
310080	0	0	1	20	0	0	0	0	0	0
390050	0	0	5	81	7	146	1	17	3	56
410080	1	159	0	0	0	0	13	3393	3	595
490050	1	8	0	0	5	87	0	0	1	14
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	40	4	0	0	1	6	3	20
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	50	137	0	0	27	89	0	0	0	0
990060	0	0	5	55	3	604	1	9	7	151
8463100080	0	0	0	0	0	0	26	128	0	0
200080	1	13	1	3	0	0	0	0	0	0
300080	0	0	0	0	7	33	6	513	0	0
900080	27	901	0	0	2	79	14	1311	2	15
9800000002	14	61	0	0	1	3	5	91	20	310
9900000002	384	40	420	122	7	5	343	45	1160	71
Month Tot	486	2609	476	333	62	1546	446	7745	1206	1283
Y-T-D Tot	1837	20761	6280	8168	794	12712	2463	62032	6112	13742
NC YTD Tot	23	3781	7	940	8	213	247	19403	44	4880
C&F Month	574	9299	92567	13788	364	14793	1361	34230	16137	7918
C&F Y-T-D	3728	96089	615025	117111	5624	100909	14165	337409	96141	79167
C&F NC YTD	355	32577	763	26400	695	59566	1091	152268	597	24875

Other Manufacturing Technology

1000000000	0	4257	0	1815	0	4772	0	11927	0	3227
2000000000	0	399	0	580	0	682	0	6740	0	1912
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	4	158	0	0	3	137	3	567	1	98
8431390080	0	389	0	202	0	564	0	1070	0	1335
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	30	7	1	13
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	1	7	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	4	139	0	0	0	0	0	0
106010	8	865	6	206	1	7	2	36	9	220
106050	5	522	12	415	1	10	60	2705	11	435
200010	1	3	0	0	0	0	0	0	0	0
200050	0	0	1	80	25	303	24	2813	2	18
300000	0	0	5	191	0	0	6	1541	4	21
400000	0	0	0	0	1	4	32	811	0	0
510010	0	0	0	0	0	0	21	5181	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	2	20	0	0	22	1448	16	506
800000	0	0	26	259	8	120	1684	7627	50	1206
8479899040	3	258	0	0	0	0	3	165	23	113
908040	0	36	0	6	0	446	0	1815	0	97
8537100030	0	0	0	0	0	0	47	199	0	0
9024100000	0	35	0	4	0	293	0	897	0	28
9031100000	0	0	0	0	0	23	0	124	0	0
300000	0	14	0	0	0	233	0	37	0	30
9032810020	641	14	0	0	1202	6	18	113	9221	149
810060	0	0	6012	25	11	7	20	279	430	121

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
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U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	99	529	0	0	99	529
Bulgaria	0	0	0	0	0	0
Czechoslovakia	4	66	0	0	4	66
Denmark	31	161	2	7	33	167
East Germany	0	0	0	0	0	0
Finland	0	0	3	595	3	595
Hungary	7	318	0	0	7	318
Ireland	13	4	0	0	13	4
Luxembourg	0	0	1	3	1	3
Netherlands	67	835	155	204	222	1039
Norway	0	0	0	0	0	0
Poland	45	445	0	0	45	445
Portugal	40	126	3	56	43	182
Romania	0	0	0	0	0	0
USSR	10	296	0	0	10	296
Yugoslavia	7	56	0	0	7	56
Oth Europe	0	0	0	0	0	0
TOTAL	4782	59395	1403	21634	6185	81029
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	3	9	5	42	8	51
Oth N & C Am.	0	0	0	0	0	0
TOTAL	116	2219	319	6509	435	8728
SOUTH AMERICA						
Argentina	3	55	0	0	3	55
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	215	1910	0	0	215	1910
OCEANIA						
Australia	26	233	1	14	27	247
New Zealand	0	0	47	10	47	10
Oth Oceania	0	0	0	0	0	0
TOTAL	26	233	48	24	74	257

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	14531	2680	934	176	15465	2856
Hong Kong	3	48	0	0	3	48
India	23	107	40	6	63	113
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	7	221	4	41	11	262
Malaysia	0	0	1	31	1	31
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	12	447	0	0	12	447
Oth Asia	0	0	10	99	10	99
TOTAL	118487	98564	2740	19014	121227	117578
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 900000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* Includes code 8456301030, Traveling wire electro-discharge machines, non-NC.